1 NOD <sup>0</sup> YCWA SGA							/A Accour										
YCWA				Based			- 90% Exc		Hydrolo	gy							
YCWA	C/O	Oct	Nov	Dec	Jan	Feb	nd SOD Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	То
	45											Ü				10	
SGA										15	60	54	5				1
										0.4	1.4	1.4	1.5	1.7	0.7		
CVP/SWP Reservoirs													20 *				
SOD														37 <sup>7</sup>			
									1								
	C/O	Oct	Nov	Dec	WA Ass	et Acqui: Feb	sition in S Mar	Apr	Luis <sup>·</sup> May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	To
/I Relaxation	<del></del>	001	3	200	Gair	76	IVIGI	7401	iviay	oun	oui	, tug	ОСР	000	1404	D00	10
WA share of SWP gain		3															
roject Pumping to reduce EWA debt	$\perp$																
POD using excess flows	$\vdash$																
POD using NOD storage fer NOD - Sacramento River <sup>2</sup>	$\vdash$	4 <sup>3</sup>	11 <sup>3</sup>							13 <sup>6</sup>		22 <sup>6</sup>	6 <sup>6</sup>				
fer NOD - San Joaquin River <sup>2</sup>		12 <sup>4</sup>	11 4							13			0				
OD SWP Surface/GW Purchases		11 5	9 <sup>5</sup>	12 <sup>5</sup>						33 <sup>7</sup>	15 <sup>7</sup>		13 7				H
xchange of EWA assets			9	14			-9 <sup>14</sup>	-31 <sup>14</sup>		33	10 14	10 <sup>14</sup>	13				
roundwater pumping SOD																	
exchange from CVP to SWP in SL																	
otal Monthly EWA Assets		30	34	12	0	76	-9	-31	0	46	25	32	19	0	0	0	
								01/10 0									
	C/O	Oct	Nov	Dec	E <b>WA Ass</b> I Jan	et Acqu Feb	sition in Mar	Apr	Luis May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Тс
/I Relaxation	<del>1</del> 0,0	Oct	1407	Dec	Jan	1 65	iviai	Дрі	iviay	Juli	Jui	Aug	ОСР	Oct	1407	Dec	- 10
roject Pumping to reduce EWA debt																	
POD using excess flows																	
POD using NOD storage											43.8 <sup>6</sup>	21.7 <sup>6</sup>	0.3 8				
fer NOD - Sacramento River <sup>2</sup>																0.5 8	
fer NOD - San Joaquin River <sup>2</sup>																	
SOD CVP Surface/GW purchases exchange of EWA assets	$\vdash$																
Groundwater pumping																	
Exchange from SWP to CVP in SL																	
otal Monthly EWA Assets	0	0	0	0	0	0	0	0	0	0	44	22	0	0	0	1	
	C/O	Oct	Nov	Dec	Jan	enditure Feb	s at the E	Export Pu Apr	ı <b>mps</b> May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	To
SWP export cuts	<del></del>	001	1407	Doo	-66 <sup>9</sup>	1 05	-38 <sup>13</sup>	-28 <sup>10</sup>	-79 <sup>10</sup>	-3	oui	7 tug	ОСР	000	1404	Всс	-;
CVP export cuts					-00		-30	-20	-69 <sup>11</sup>	-2							T.
otal Expenditures	0	0	0	0	-66	0	-38	-28	-149	-5	0	0	0	0	0	0	-:
		- · ·					rementa						١ .		1	_	
	C/O	Oct 30	Nov 34	Dec 12	Jan -66	Feb 76	Mar -47	Apr -59	-79	Jun 43	Jul 25	Aug 32	Sep 3	Oct 0	Nov 0	Dec 0	To
NWD in CL (without Course Chit)			0	0	-00	0	0	-59	-69	-2	44	22	0.3	0	0	1	
	7	()					U						20	2			
SWP in SL (without Source Shift) SVP in SL IOD Storage	7 0 45	-19	-26	0	0	0	0	0	0	-3	7	1	20		1	9	
CVP in SL IOD Storage Groundwater SOD	45 0	-19 0	-26 0	0	0	0	0	0	0	0	0	0	0	37	0	9	
VP in SL OD Storage groundwater SOD	45	-19	-26	0													
VP in SL OD Storage groundwater SOD	45 0	-19 0	-26 0	0 0 12	- <b>66</b>	0 <b>76</b>	0 -47	- <b>59</b>	0 -149	0 38	0	0	0	37		0	
VP in SL IOD Storage Groundwater SOD	45 0 <b>52</b>	-19 0 11	-26 0 <b>8</b>	0 0 12 EWA E	0 -66 nd-of-Mo	76 onth Stor	0 -47 age Bala	0 -59 nce at Va	0 -149 arious Si	0 38 tes	0 <b>76</b>	0 <b>55</b>	0 <b>23</b>	37 38	0 1	0 <b>10</b>	
VP in SL OD Storage froundwater SOD otal Incremental Storage Changes	45 0	-19 0 11	-26 0 <b>8</b> Nov	0 0 12 EWA E	0 -66 nd-of-Mo	76 onth Stor	0 -47 rage Bala Mar	0 -59 nce at Va Apr	0 -149 arious Si	0 38 tes Jun	0 <b>76</b> Jul	0 <b>55</b> Aug	0 23 Sep	37 38 Oct	0 1	0 10 Dec	
EVP in SL IOD Storage Groundwater SOD Iotal Incremental Storage Changes  EWP in SL (without Source Shift)	45 0 <b>52</b> C/O	-19 0 11	-26 0 <b>8</b>	0 0 12 EWA E	0 -66 nd-of-Mo	76 onth Stor	0 -47 age Bala	0 -59 nce at Va	0 -149 arious Si	0 38 tes	0 <b>76</b>	0 <b>55</b>	0 <b>23</b>	37 38	0 1	0 10 Dec 11 -6	
EVP in SL IOD Storage Groundwater SOD Total Incremental Storage Changes  EWP in SL (without Source Shift) EVP SL IOD Storage	45 0 52 C/O 7 0 45	-19 0 11 Oct 38 0 26	-26 0 8 Nov 72 0	0 0 12 EWA E Dec 84 0	0 -66 nd-of-Mo Jan 17 0	0 76 onth Stor Feb 93 0	0 -47 rage Bala Mar 46 0	0 -59 nce at Va Apr -13 0	0 -149 arious Si May -92 -69 0	0 38 tes Jun -49 -72 -3	0 76 Jul -24 -28 4	0 55 Aug 8 -6 5	0 23 Sep 11 -6 24	37 38 Oct 11 -6 26	0 1 Nov 11 -6 27	0 10 Dec 11 -6 36	
EVP in SL OD Storage froundwater SOD otal Incremental Storage Changes  WP in SL (without Source Shift) EVP SL OD Storage froundwater SOD	C/O 7 0 45 0	-19 0 11 Oct 38 0 26	-26 0 8 Nov 72 0 0	0 0 12 EWA EI Dec 84 0 0	0 -66 nd-of-Md Jan 17 0 0	0 76 onth Stor Feb 93 0 0	0 -47 rage Bala Mar 46 0 0	0 -59 nce at Va Apr -13 0 0	0 -149 arious Si May -92 -69 0	0 38 tes Jun -49 -72 -3 0	0 76 Jul -24 -28 4 0	0 55 Aug 8 -6 5 0	0 23 Sep 11 -6 24 0	37 38 Oct 11 -6 26 37	0 1 Nov 11 -6 27 37	0 10 Dec 11 -6 36 37	
VP in SL OD Storage iroundwater SOD otal Incremental Storage Changes  WP in SL (without Source Shift) VP SL OD Storage iroundwater SOD	45 0 52 C/O 7 0 45	-19 0 11 Oct 38 0 26	-26 0 8 Nov 72 0	0 0 12 EWA E Dec 84 0	0 -66 nd-of-Mo Jan 17 0	0 76 onth Stor Feb 93 0	0 -47 rage Bala Mar 46 0	0 -59 nce at Va Apr -13 0	0 -149 arious Si May -92 -69 0	0 38 tes Jun -49 -72 -3	0 76 Jul -24 -28 4	0 55 Aug 8 -6 5	0 23 Sep 11 -6 24	37 38 Oct 11 -6 26	0 1 Nov 11 -6 27	0 10 Dec 11 -6 36	
EVP in SL IOD Storage Froundwater SOD Fotal Incremental Storage Changes  EWP in SL (without Source Shift) EVP SL IOD Storage Froundwater SOD	C/O 7 0 45 0	-19 0 11 Oct 38 0 26	-26 0 8 Nov 72 0 0	0 0 12 EWA E Dec 84 0 0 0	0 -66 nd-of-Mo Jan 17 0 0 0	0 76 76 Feb 93 0 0 0 93	0 -47 rage Bala Mar 46 0 0	0 -59 nce at Va Apr -13 0 0 0 -13	0 -149 Arious Si May -92 -69 0 0	0 38 tes Jun -49 -72 -3 0	0 76 Jul -24 -28 4 0	0 55 Aug 8 -6 5 0	0 23 Sep 11 -6 24 0	37 38 Oct 11 -6 26 37	0 1 Nov 11 -6 27 37	0 10 Dec 11 -6 36 37	
WP in SL OD Storage iroundwater SOD otal Incremental Storage Changes  WP in SL (without Source Shift) VP SL OD Storage iroundwater SOD WA Asset Balance	C/O 7 0 45 0	-19 0 11 Oct 38 0 26	-26 0 8 Nov 72 0 0	0 0 12 EWA E Dec 84 0 0 0	0 -66 nd-of-Mo Jan 17 0 0 0	0 76 76 Feb 93 0 0 0 93	0 -47 rage Bala Mar 46 0 0	0 -59 nce at Va Apr -13 0 0 0 -13	0 -149 Arious Si May -92 -69 0 0	0 38 tes Jun -49 -72 -3 0	0 76 Jul -24 -28 4 0	0 55 Aug 8 -6 5 0	0 23 Sep 11 -6 24 0	37 38 Oct 11 -6 26 37	0 1 Nov 11 -6 27 37	0 10 Dec 11 -6 36 37	
CVP in SL IOD Storage Froundwater SOD Total Incremental Storage Changes  EWP in SL (without Source Shift)  EVP SL	45 0 52 C/O 7 0 45 0 52	-19 0 11 Oct 38 0 26 0 64	-26 0 8 Nov 72 0 0 0	0 0 12 EWA E Dec 84 0 0 0	0 -66 nd-of-Mo Jan 17 0 0 0 17	0 76 76 76 76 76 76 76 76 76 76 76 76 76	0 -47 rage Bala Mar 46 0 0 0 46	0 -59 nce at Va Apr -13 0 0 -13	0 -149 arious Si May -92 -69 0 0 -162	0 38 Ites Jun -49 -72 -3 0	0 76 Jul -24 -28 4 0 -48	0 55 Aug 8 -6 5 0 7	Sep 11 -6 24 0 25	37 38 Oct 11 -6 26 37 64 *	0 1 Nov 11 -6 27 37 64 *	0 10 Dec 11 -6 36 37 74 *	
EVP in SL IOD Storage Groundwater SOD Grotal Incremental Storage Changes  EWP in SL (without Source Shift) EVP SL IOD Storage Groundwater SOD EWA Asset Balance	45 0 52 C/O 7 0 45 0 52	-19 0 11 Oct 38 0 26 0 64	-26 0 8 Nov 72 0 0 72	0 0 12 EWA E Dec 84 0 0 0 84	0 -66 Jan 17 0 0 17	0 76 Peb 93 0 0 0 93 Peserve Feb	0 -47 rage Bala Mar 46 0 0 0 46	0 -59 nce at Va Apr -13 0 0 0 -13	0 -149 arious Si May -92 -69 0 -162	0 38 Jun -49 -72 -3 0 -124	0 76 Jul -24 -28 4 0 -48	0 55 Aug 8 -6 5 0 7	0 23 Sep 116 24 0 25 Sep	37 38 Oct 11 -6 26 37 64 *	0 1 Nov 11 -6 27 37 64 *	0 10 Dec 11 -6 36 37 74 *	

<sup>2001</sup> NOD Storage = 10(OWID) + 50(YCWA) + 20(PCWA) + 25(MID). 2002 NOD Storage = 135(YCWA) + 10(SGA).

964

874

1042

MWD Source Shifting

Storage (with MWD source shifting)

<sup>\*</sup> EWA backed up water into Lake Oroville between September 14 and 30, 2002 (which includes a 20% carriage water loss). SOD equivalent = 16 TAF (not a 1:1 Exchange). Since EWA water was backed up into Lake Oroville, then the amount of available water south of the Delta is reduced.

<sup>&</sup>lt;sup>1</sup> Aqueduct conveyance and evaporation losses are not included.

<sup>&</sup>lt;sup>2</sup> Carriage water loss applies to water transfers from the Sacramento River; a 10% conveyance loss applies to water transfers from the San Joaquin River. Carriage water losses applied to the 2001 water transfers are as follows: 15% for the YCWA and OWID transfers; and 25% for the PCWA transfer. A carriage water loss of 20% was applied to the 2002 water transfers.

<sup>&</sup>lt;sup>3</sup> 2001 PCWA Transfer (Joint place of use)

<sup>&</sup>lt;sup>4</sup> 2001 MID Transfer (Joint place of use)

<sup>&</sup>lt;sup>5</sup> SOD 2001 SWP post lowpoint deliveries = 15(Semitropic/Tulare ID) + 5(Cawelo) + 12(Santa Clara)

<sup>&</sup>lt;sup>6</sup> 2002 YCWA Transfer (Joint place of use)

<sup>&</sup>lt;sup>7</sup> 2002 KCWA Transfer (SWP place of use) <sup>8</sup> SGA Transfer (CVP place of use) <sup>9</sup> A total of 66 TAF has been expended for the 1/5-1/9 curtailment.

 $<sup>^{\</sup>rm 10}$  Approximately 45 TAF has been expended for 2002 VAMP (28 TAF in April and 17 TAF in May) for the SWP.

<sup>&</sup>lt;sup>11</sup> Approximately 69 TAF has been expended for 2002 VAMP shoulders for the CVP.

<sup>12</sup> Based upon the 11/1/02 DWR's 90% allocation study

 $<sup>^{\</sup>rm 13}$  Conversion from EWA to Project water since San Luis Reservoir was physically full.

 $<sup>^{\</sup>rm 14}$  A 2:1 exchange program between the SWC and EWA beginning 3/30/02 and ending 4/8/02.